



☐ DESIGN ☑ UTILITY PATENT

082380-00561

Not Yet Assigned

3671

28839

Att'y Dkt. No.:

Customer No.:

Art Unit:

Examiner:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

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Norman E. Stevens, Jr., and Michael

F. Gard

Serial No:

10/617,975

Filed:

July 12, 2003

For:

SYSTEM AND METHOD FOR

AUTOMATICALLY DRILLING AND **BACKREAMING A HORIZONTAL BORE**

UNDERGROUND

Mail Stop Amendment **Commissioner For Patents** P.O. Box 1450

Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE TO OFFICE ACTION MAILED JULY 2, 2004

Applicant respectfully requests that the above application be amended as follows:

In the claims

Claims 1-3. Withdrawn.

A method for backreaming a horizontal borehole, 4. (Currently Amended) the method comprising:

> automatically rotating and pulling a drill string having a backreamer through the horizontal borehole;

> automatically reducing a length of the drill string when the drill string must be shortened;

> automatically reducing a rate of pullback if a rotation pressure on the drill string is greater than a predetermined limit; and

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